

ABSTRACT

The present invention provides minus-strand RNA viruses carrying a foreign gene that has a partial sequence corresponding to part of the minus-strand RNA virus E sequence and where the partial sequence has been altered. A foreign gene comprising such a partial E sequence is found to undergo mutations at high frequencies when the gene is carried by a minus-strand RNA virus. The generation of mutations in the gene carried by the minus-strand RNA virus can be prevented by altering the foreign gene sequence so as to not contain this sequence.